

LISTING OF THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (currently amended) A high efficiency heat sink comprising:
at least one U-shaped copper tube with open ends;
a sealed vacuum vessel, with orifices into the vessel communicating with the open ends of the copper tubes;
fibers which are strongly absorbent and are impregnated with a refrigerant liquid ~~are~~ and disposed in the vessel;
an externally mounted cooling fan aimed at the at least one copper tube for moving air over the copper tube; and
a supporting frame for attachment to the at least one copper tube, the supporting frame including self-locking U-clips that clamp to the at least one copper tube to fix the frame in position, and the fan being supported on the frame.

2. (original) The heat sink of claim 1, wherein the vessel has an upper end region and the orifices communicating with the u-shaped copper tube in the upper end region of the vessel.

Claim 3 (canceled) .

Claim 4 (canceled).

5. (original) The heat sink of claim 1, wherein the vacuum vessel includes an upper half casing and a lower half casing which are secured together.

6. (original) The heat sink of claim 5, wherein the lower half casing includes a projecting level surface for communicating with an object for heat transfer.

7. (original) The heat sink of claim 6, wherein the upper half casing includes orifices for the open ends of the copper tube.

8. (original) The heat sink of claim 5, further comprising a sealing ring for sealing the upper and lower casing halves together.

9. (original) The heat sink of claim 8, wherein the sealing ring is comprised of a silicone gel which seals the vessel when the upper and lower half casing are compressed together.

10. (previously presented) The heat sink of claim 1, wherein the fibers are absorbed with an inhibited glycol in the refrigerant liquid.